TITLE: Preparation of fungicidal cyclic amides
INVENTOR(S): Walker, Michael Paul
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA; Walker, Michael Paul
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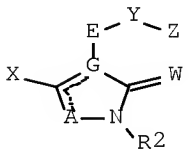
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
WO 9820003	A1	19980514	WO 1997-US17608		19971001	<--
W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU						
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG						
IN 1997CA01788	A	20050311	IN 1997-CA1788		19970924	<--
AU 9746603	A	19980529	AU 1997-46603		19971001	<--
EP 937051	A1	19990825	EP 1997-945385		19971001	<--
R: DE, ES, FR, GB, IT						
BR 9712713	A	19991026	BR 1997-12713		19971001	<--
CN 1242767	A	20000126	CN 1997-181160		19971001	<--
JP 2001503424	T	20010313	JP 1998-521383		19971001	<--
ZA 9708958	A	19990407	ZA 1997-8958		19971007	<--
MX 9904066	A	20000131	MX 1999-4066		19990430	<--
KR 2000052948	A	20000825	KR 1999-703821		19990430	<--
PRIORITY APPLN. INFO.:			US 1996-29965P	P	19961101	<--
			WO 1997-US17608	W	19971001	<--

OTHER SOURCE(S): MARPAT 129:4664
ED Entered STN: 30 May 1998
GI



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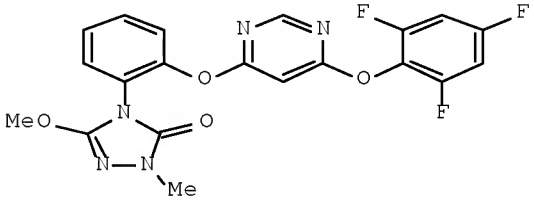

II

AB The title compds. [I; E = (un)substituted 1,2-phenylene; A = O, S, N, NR5, CR6; G = C, N (provided that when G = C, then A = O, S, NR5 and the floating double bond is attached to G; and when G = N, then A = N, CR6 and the floating double bond is attached to A); W = O, S, NH, N(C1-6 alkyl), NO(C1-6 alkyl); X = OR1, S(O)mR1, halo; Y = O, S(O)n, NR7, etc.; Z = substituted Ph, pyrimidinyl, triazinyl; R1 = C1-6 alkyl, C1-6 haloalkyl, C2-6 alkenyl, etc.; R2 = H, C1-6 alkyl, C1-6 haloalkyl, etc.; R5 = H, C1-6 alkyl, C1-6 haloalkyl, etc.; R6 = H, halo, C1-6 alkyl, etc.], useful for controlling plant diseases caused by fungal plant pathogens, were prepared Thus, 6-step synthesis of the

title compound II, which showed 100% control against Erysiphe graminis f. sp. tritici and Puccinia recondita at 500 g/ha, is described.

IC ICM C07D249-12
ICS A01N043-653; C07D403-12; A01N043-66; A01N043-707

CC 28-19 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 5

IT 207504-17-4P 207504-18-5P 207504-19-6P
207504-20-9P 207504-21-0P 207504-22-1P 207504-23-2P 207504-24-3P
207504-25-4P 207504-26-5P 207504-27-6P 207504-28-7P 207504-29-8P
207504-30-1P 207504-31-2P 207504-32-3P 207504-33-4P 207504-34-5P
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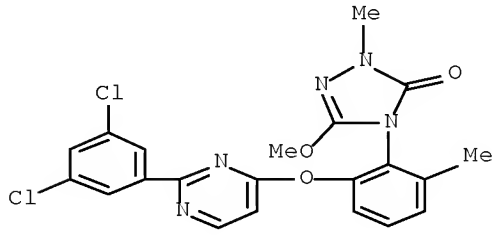
207504-88-9P 207504-89-0P 207504-90-3P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of fungicidal cyclic amides)

IT 207504-17-4P 207504-18-5P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of fungicidal cyclic amides)

RN 207504-17-4 HCAPLUS
CN 3H-1,2,4-Triazol-3-one, 4-[2-[[2-(3,5-dichlorophenyl)-4-pyrimidinyl]oxy]-6-methylphenyl]-2,4-dihydro-5-methoxy-2-methyl- (CA INDEX NAME)



RN 207504-18-5 HCAPLUS
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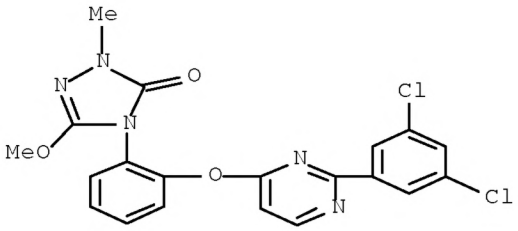
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